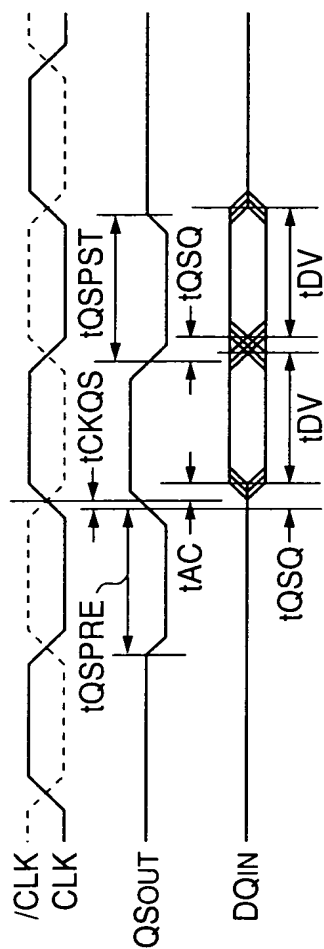


FIG. 3



| PARAMETERS | SYMBOL | PARAMETERS | SYMBOL |
|-------------------------|--------|--------------------------|--------|
| QS ACCESS TIME FROM CLK | tCKQS | DATA OUTPUT SKEW FROM QS | tQSQ |
| QS PREAMBLE TIME | tQSPRE | DATA ACCESS TIME FROM QS | tAC |
| QS POSTAMBLE TIME | tQSPST | DATA OUTPUT VALID TIME | tDV |

| PARAMETERS | SYMBOL | PARAMETERS | SYMBOL |
|-------------------------|--------|--------------------------------|--------|
| QS ACCESS TIME FROM CLK | ICKQS | DATA INPUT SET UP TIME FROM QS | tD |
| QS PREAMBLE TIME | IQSPRE | DATA INPUT HOLD TIME FROM QS | tD |
| QS POSTAMBLE TIME | IQSPST | DATA VALID PERIOD | tDV |

FIG.5

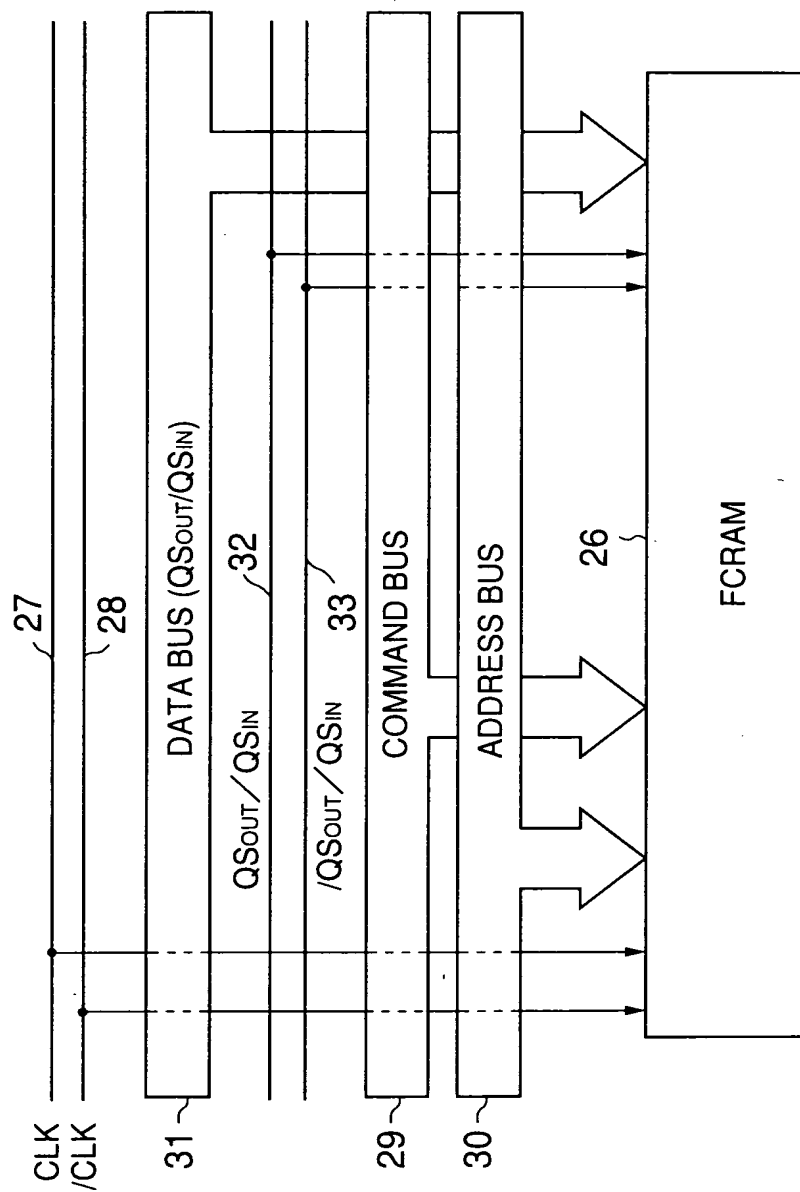


FIG.7

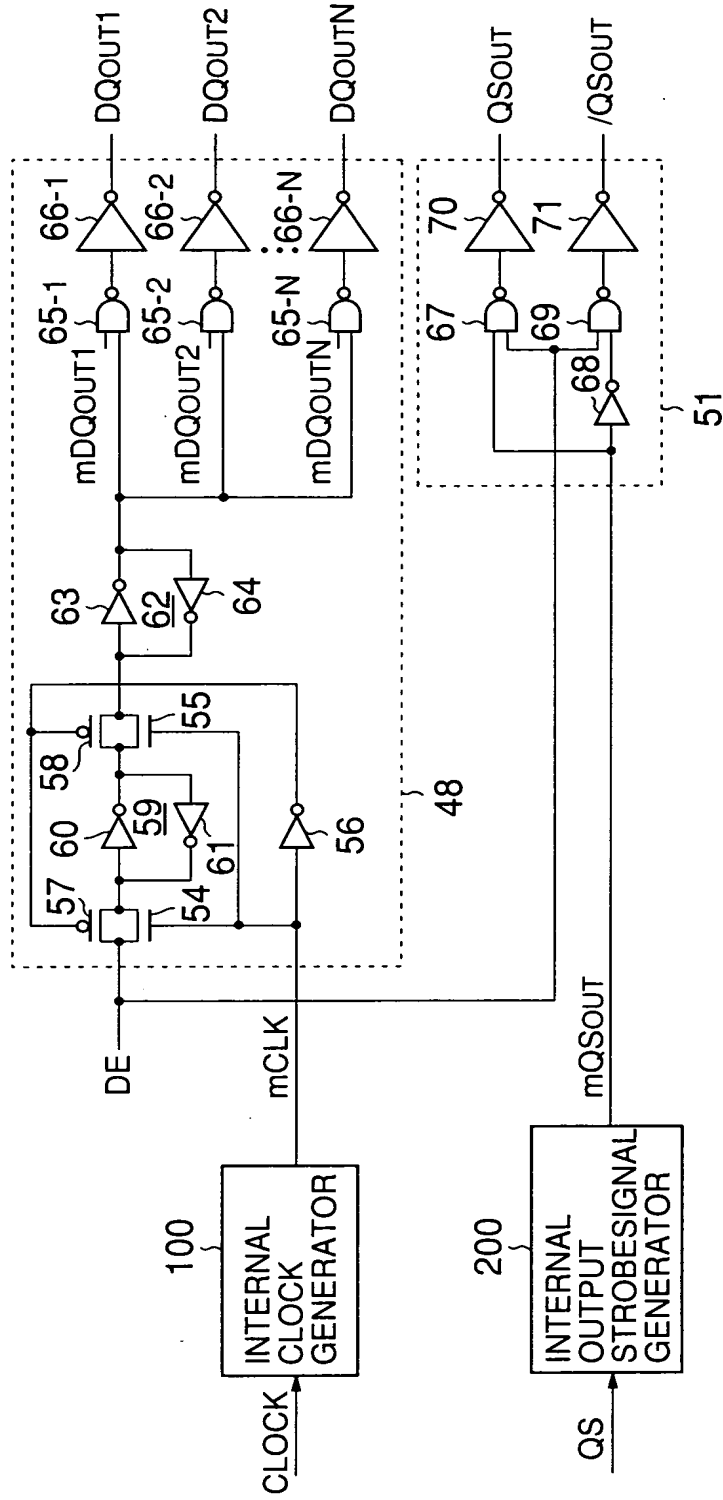
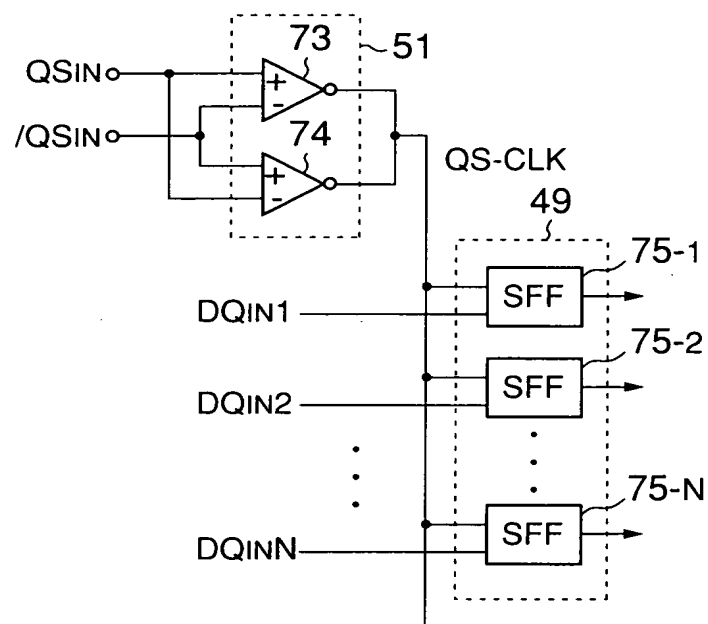


FIG.8



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FIG.10

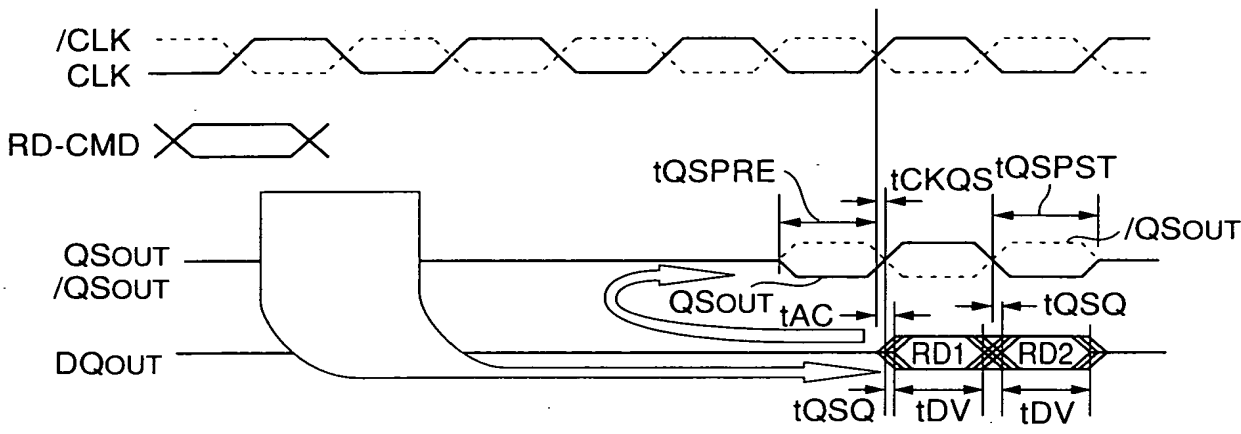


FIG.11

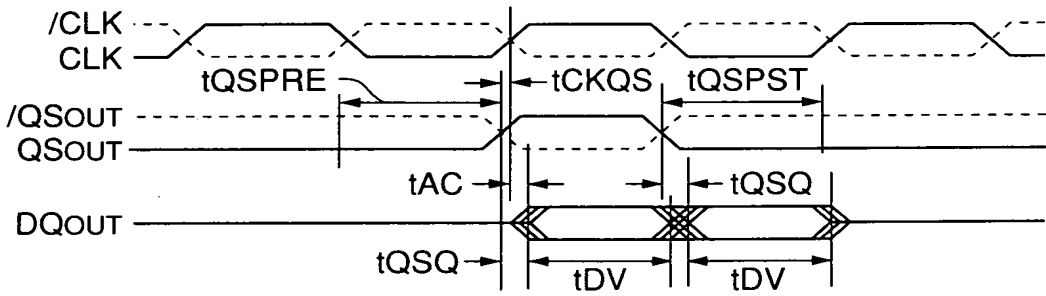


FIG.12

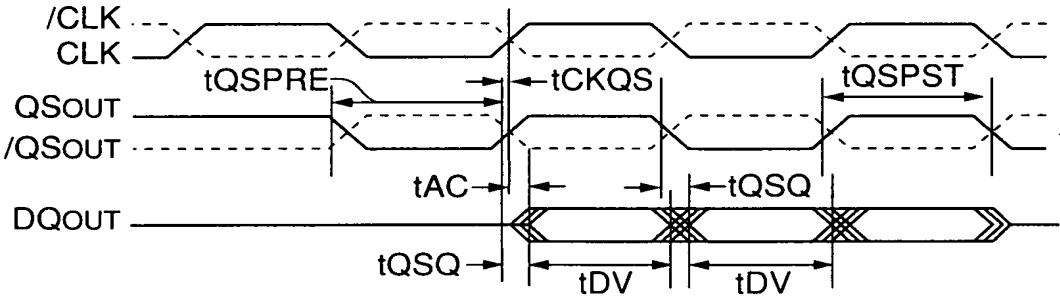
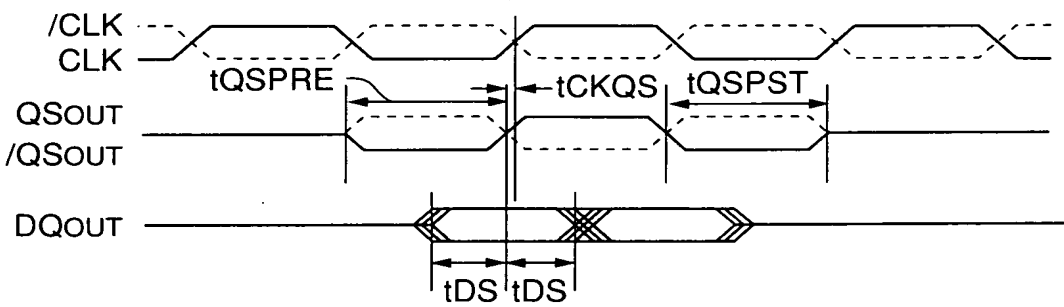
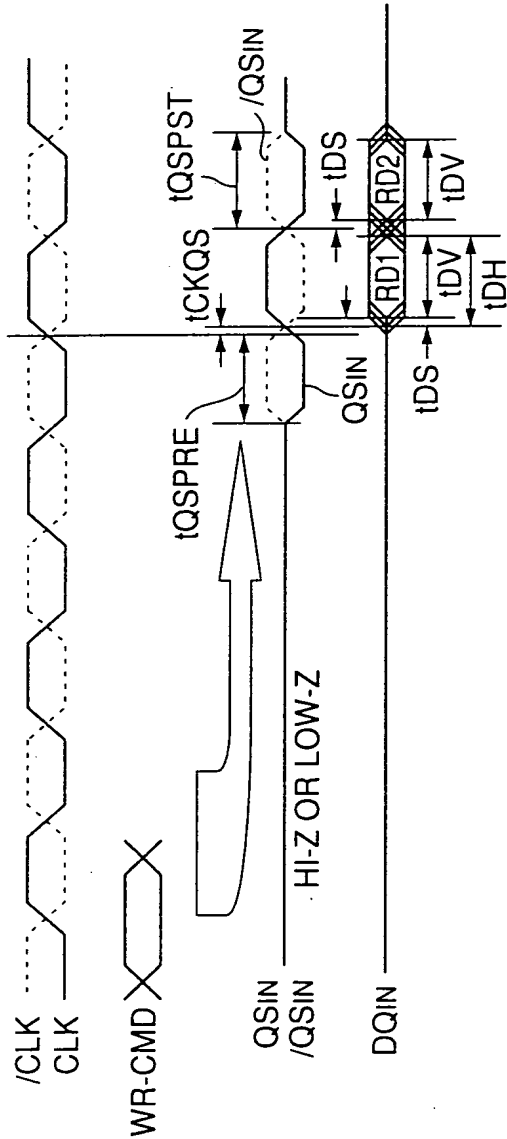


FIG.13



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FIG.14



| PARAMETERS | SYMBOL | PARAMETERS | SYMBOL |
|-------------------------|--------|------------------------------|--------|
| QS ACCESS TIME FROM CLK | tCKQS | DATA INPUT SET UP FROM QS | tDS |
| QS PREAMBLE TIME | tQSPRE | DATA INPUT HOLD TIME FROM QS | tDH |
| QS POSTAMBLE TIME | tQSPST | | |

FIG.15

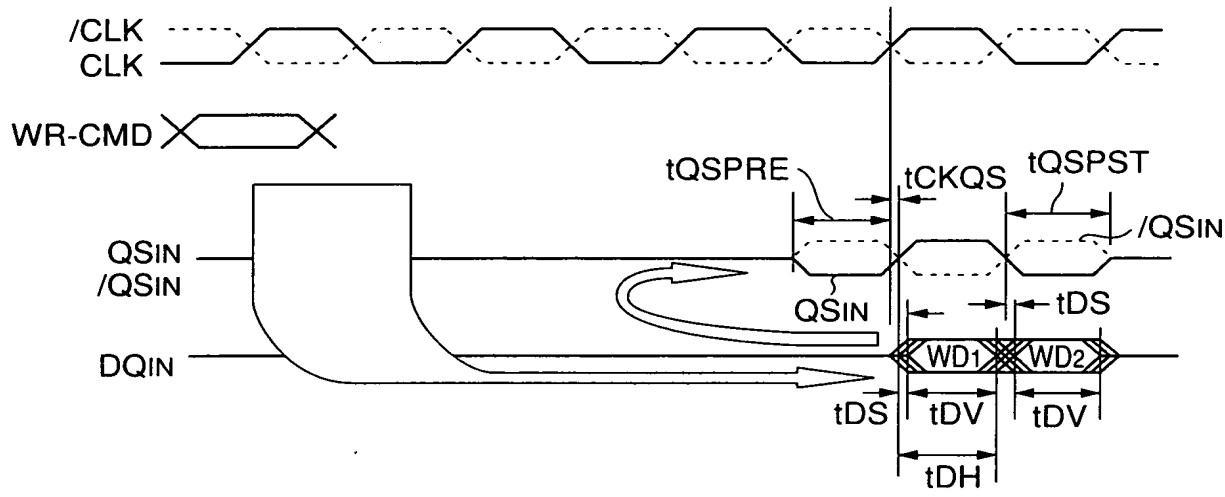


FIG.16

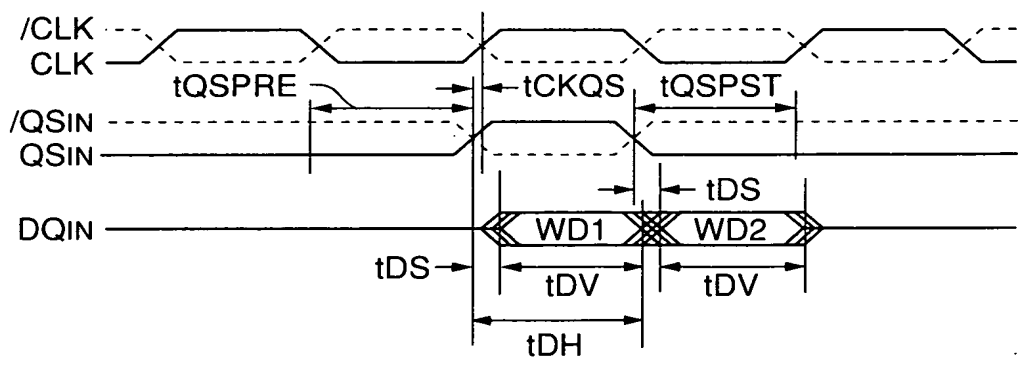


FIG.17

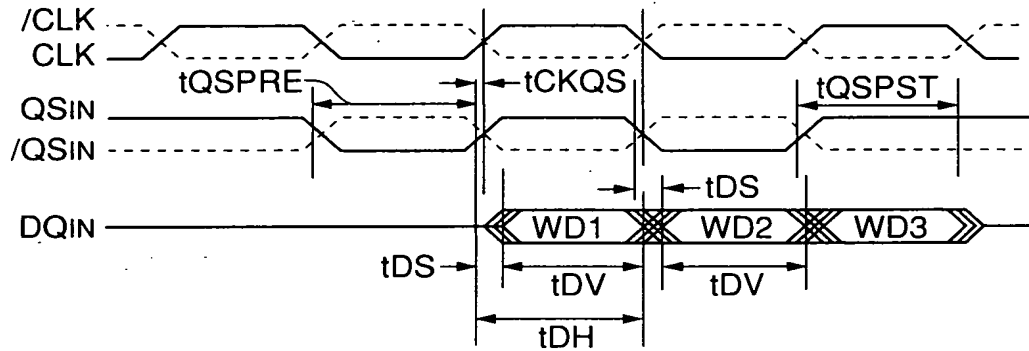


FIG.18

